

DESIGN AND CONSTRUCTION GUIDELINES AND STANDARDS

DIVISION 6 • WOODS & PLASTICS

06 65 00 • PLASTIC & COMPOSITE TRIM & DECKING

SECTION INCLUDES

Plastic & Composite Trim & Panels
Pre-formed Accessories
Wood-Plastic Composite Decking

RELATED SECTIONS

06 20 00 Finish Carpentry
07 40 00 Siding
08 10 00 Doors & Frames
08 50 00 Windows
09 90 00 Painting

TECHNICAL STANDARDS

PLASTIC & COMPOSITE TRIM & PANELS

MATERIALS

Specify plastic and composite trim which is durable, low-maintenance and cost-effective. Evaluate market conditions and job location prior to specifying to determine the type of trim to be used.

Avoid synthetic products which require painting to maintain their longevity, durability, or manufacturer's warranties.

Specify products with long-term manufacturer's warranties (25 years or more), where possible, from established, reputable manufacturers.

DESIGN

Material choices should be based on cost, durability and availability. Do not specify products with proprietary fasteners or kits of parts which may be difficult to replicate if repairs are required in the future.

☐ Exterior trim and Panels:

Acceptable materials for exterior trim include:

- ☐ PVC Trim
- ☐ Fiber-Reinforced Cement Trim
- ☐ Fiberglass Trim
- ☐ Coordinate trim chosen with Section 07 40 00

One piece- corner boards are preferred over field mitered joints. High density, closed cell PVC products are recommended for exterior use.

Polyurethane is not acceptable for exterior use because it requires paint and is highly susceptible to water damage if not properly installed or maintained.

Complex molding profiles should be avoided; including custom profiles which are not readily available from a variety of manufacturers.

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INSTALLATION

Countersink fasteners and fill with color-matched wood filler, or filler recommended by trim manufacturer at all exposed trim, posts and panels. Do not specify painted finishes for PVC trim. Do not use sealant or caulking as a filler for fastener holes.

PLASTIC ACCESSORIES

Specify pre-formed PVC products for exterior building components such as, gable vents, hose-bib mounting blocks, exterior light fixture mounting blocks to provide a clean, finished appearance for exterior mounted accessories.

WOOD-PLASTIC COMPOSITE DECKING

DESIGN

Material choices should be based on durability, cost and availability. Design framing to maximize the spanning capabilities of the decking.

Specify light (high reflectance) colors to mitigate heat build-up and thermal movement and to minimize fading from ultraviolet light.

Do not specify products containing a high-percentage of recycled wood (greater than 50%). These products are inherently prone to water and UV damage because the wood fillers do not bind completely to the plastics and require painting and ongoing maintenance for protection.

Do not specify products with recycled plastic content, unless the manufacturer's written specifications confirm the type of plastics used. Otherwise, the quality of the product may vary over time.

MATERIALS

Acceptable manufacturers include:

Trex (Trex); Timbertech (Crane Plastics); Fiberon (Fiber Composites); Carefree Composite, (USPL); Fibrex, (Anderson); Boardwalk, (CertainTeed); Weatherbest (LP Specialty Products).

See Section 06 50 00 Structural Plastics and Composites for all synthetic framing.

DESIGN

Do not use paint as a finish; semi transparent stains, as recommended by decking manufacturer are preferred.

INSTALLATION

Detail and install decking sloped for drainage, regardless of the decking product chosen.